

## U.S. ENVIRONMENTAL PROTECTION AGENCY NPDES LABORATORY PERFORMANCE EVALUATION

(This data is collected under the authority of the Federal Water Pollution Control Act.)

| STUDY<br>NO. |   |   | P | CARD<br>NO, |   |   |   |   |    |    |    |  |    |      |
|--------------|---|---|---|-------------|---|---|---|---|----|----|----|--|----|------|
|              |   |   | I | N           | 0 | 0 | 0 | 0 | 2  | 8  | 1  |  | 1  | AL.  |
| 1            | 2 | 3 | 4 | 5           | 6 | 7 | 8 | 9 | 10 | 11 | 12 |  | 14 | 5)E% |

| CURRENT | PERMITTEE | ADDRESS | LABEL |
|---------|-----------|---------|-------|
|---------|-----------|---------|-------|

IN0000281 U.S. Steel Corporation-Gary Works
Dir-Environmental Coordinator
PO Box 59-M.S. 188

| Sta-   |   | Gary, IN   | 46401                            |             |                 |   | The second                        |                   |
|--|---|--|----------------------------------|-------------|-----------------|---|-----------------------------------|-------------------|
| NTER PERMITTEE<br>NAME AS DESIRED<br>OR REPORT HEAD-         | U S S T   | E E L C O R  | P O R A T 3                      |             | G A R Y         | W O R K S   |                                   | 55 56 57 58 5     |
| Circ. Cit. Sim. Circ. Cit. Cit. Cit. Cit. Cit. Cit. Cit. Cit |   |  | LABORATO                         |             |                 |   | 1757                              |                   |
| NAME<br>Gary Works Wa<br>Quality Contr<br>Laboratory         |   | Gary Works P.O. Box 49 - Gary, Indiana   | M.S. 11-1                        |             | Total<br>Solids | TERS<br>um, Zinc, pl<br>Suspended<br>, Oil and<br>, Ammonia-N | YES                               | ERMIT<br>ERCISED: |
| MARK 'X' FOR TYPE  | · puring  | process proces | L GOVT,                          | [2]         | USTRIAL         | COMMER  | 2141                              | OTHER             |
| FEDERAL  | L S   | TATE LOCA  |                                  |             | USTRIAL         | COMMEN  | CIAL                              | OIMEN             |
| NAME   |   | ADDRESS  | LABORATORY                       | 2 (If any)  | PARAME          | TERS  | MULTIPLE I                        |                   |
| FEDERAL The MULTIPLE PERI ANOTHER PERMIT N                   | MIT OPTION V  | Vas used and the follow  |                                  |             | USTRIAL         | COMMER  | 61 62 63 64                       | 65 66 67 68 c     |
|  | (By p   | permit holder or authorize   | CERTIFICA<br>ed representative a |             | FR Part 122. Se | e instructions.)  |                                   |                   |
| For Study Number (   | One, conducte                                       | d in October thru Dec  | ember 1980, the                  | permitte    | e listed belov  | v: "  | 11 12 N                           |                   |
| Received Samples   | YES NO  | Submitted  | Data                             | X           | Rec             | elved a Report in   | n Response                        | YES NO            |
| P.O. Box Gary, Ind   | nd Address(<br>ates Steel<br>59 - M.S.<br>iana 4640 | 01   | Gary Works                       | nt from lal | pel abase.)     |   | TELEPHONI<br>219-944-<br>Chief En | 4365<br>gineer    |
| and the attached do  | ocument; and<br>ed information                      | penalty of law that I he based on my inquiry is true, accurate, as   | of those indiv                   | iduals im   | mediately re    | sponsible for ob  | taining the in                    | nformation.       |

information, including the possibility of fine and imprisonment.

NAME OF CERTIFYING OFFICIAL (type or print)

E. W. Sieger, General Superintendent Gary Works

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CONTINUE ON PAGE 2

EPA Form 7500-55 (Rev. 10-81)

CONTINUED FROM PAGE 1

| TRACE METALS / recovery in jug/)  TRACE METALS / recovery in jug/  TRACE M  | NO. PERMIT NUME        |                |   |                           |  |  |  |  |                          |                          |                           |  |                     |                    |        |        |     |        |            |  |        |                  |          |
|---|------------------------|----------------|---|---------------------------|--|--|--|--|--------------------------|--------------------------|---------------------------|--|---------------------|--------------------|--------|--------|-----|--------|------------|--|--------|------------------|----------|
| TRACE METALS incovery in light  ALUMINUM  ARSENIC  BERYLLIUM  ALUMINUM  ARSENIC  BERYLLIUM  ARSENIC  CADMIUM  CAROMIUM  COBALT  STUDY AND  PERMIT NUMBER  CARO  NO  VF MC  AUANTITY VF MC BERT STUDY AND  PERMIT MUMBER  AND ALLESS  PH ANALYSIS  PH</th <th>2 2 0 0 0</th> <th></th> <th>4 - V</th> | 2 2 0 0 0              |                |   |                           |  |  |  |  |                          |                          |                           |  |                     |                    |        |        |     |        |            |  |        |                  | 4 - V    |
| DUPLICATE   1   | 314                    | 12             | Ž.                                      |                           |  | T  | RACE   | MET  | ALS                      | reco                     | very in                   | μg/l)  |                     |                    |        |        |     |        |            |  |        |                  |          |
| DUPLICATE   1   | STUDY AND              | CARD           |   |                           | AL   | UM   | INUM   |  |                          |                          |                           |  |                     |                    |        |        |     |        | BE         | RYL                                    | LIL    | M                |          |
| CADMUM CHROMIUM COBALT  VP MC  STUDY AND PERMIT NUMBER  OUPLICATE  THE STUDY AND PERMIT NUMBER  CARD NO. VP MC <th></th> <th></th> <th>VP</th> <th>MC</th> <th>&lt;</th> <th>1/&gt;</th> <th>QU</th> <th>ANT</th> <th>ITY</th> <th>VP</th> <th>MC</th> <th><!--</th--><th>&gt;</th><th>QU</th><th>ANTI</th><th>TY</th><th>VP</th><th>MC</th><th>&lt;</th><th></th><th>6</th><th>IAU</th><th>TITY</th></th>  |                        |                | VP                                      | MC                        | <  | 1/>  | QU   | ANT  | ITY                      | VP                       | MC                        | </th <th>&gt;</th> <th>QU</th> <th>ANTI</th> <th>TY</th> <th>VP</th> <th>MC</th> <th>&lt;</th> <th></th> <th>6</th> <th>IAU</th> <th>TITY</th>   | >                   | QU                 | ANTI   | TY     | VP  | MC     | <          |  | 6      | IAU              | TITY     |
| CADMIUM   CHROMIUM   COBALT   | DUPLICATE              | 2              | and the second                          | and the state of the same |  |  | de la company de |  |                          |                          | -                         |  |                     |                    |        |        |     |        |            |  |        |                  |          |
| VP MC   |                        | 110            | 20                                      | 21 22                     | District Street,   | The same of  | -  | -  | 2.0                      | 30                       | 31 32                     |  |                     | THE REAL PROPERTY. | -      | 38     | 40  | A1 42  |            | COB                                    | ALT    |                  |          |
| STUDY AND PERMIT NUMBER  OARD NO. VP MC  B H 32 B M 42 B M 42 B M 43 M 14 B M 44 B  |                        |                | VP                                      | MC                        | _  |  | -  | ANT  | ITY                      | VP                       | MC                        | -  | -                   |                    | -      | TY     | VP  | MC     | -          |  | -      |                  | TITY     |
| STUDY AND PERMIT NUMBER  OARD NO. VP MC  WP MC WP MC </ WP MC  WP MC  WP MC  WP MC WP MC </  WP</td <td></td> <td>2 4</td> <td></td> <td></td> <td></td> <td>5 0</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   |                        |                |   |                           |  |  |  |  |                          |                          | 2 4                       |  |                     |                    | 5 0    | 4      |     |        |            |  |        |                  |          |
| DUPLICATE   |                        |                | 50                                      | 51 52                     | Marine Marine  | there were the first of the fir | -  | -  | 28                       | 60                       |                           |  |                     |                    | 1      | -      | 70  | 71 72  |            | -                                      | -      |                  |          |
| DUPLICATE   3   |                        |                |   |                           |  | -  |  |  |                          |                          |                           |  | -                   |                    |        |        |     |        |            |  | _      |                  |          |
| NO   NO   NO   NO   NO   NO   NO   NO   |                        |                | VP                                      | MC                        |  | 1  | 1  | I  | ITV                      | VE                       | MC                        | 1  |                     | 90                 | T      | T      | VF  | MC     |            | 1                                      |        | T                | T        |
| MANGANESE   MERCURY   NICKEL  | OUPLICATE              |                |   |                           |  |  |  | Contraction of the last of the |                          |                          | -                         |  |                     |                    |        |        |     |        | 1          |  |        |                  |          |
| VP   MC   C    QUANTITY   VP   MC   C    Q  |                        | 47.5           | 20                                      | THE R. LEWIS CO., LANSING | The same of the sa |  |  | E  | 28                       | 30 [                     | 31 32                     |  | -                   | -                  |        | 38     | 40  | 41. 42 |            | The Person of Street or other Desires. |        | -                |          |
| SELENIUM  |                        |                | VP                                      |                           | -  | -  | 7  |  | ITY                      | VP                       | MC                        | </td <td>&gt;</td> <td>-</td> <td>ANTI</td> <td>TY</td> <td>VF</td> <td>мс</td> <td>1</td> <td></td> <td>-</td> <td></td> <td>YTITY</td>   | >                   | -                  | ANTI   | TY     | VF  | мс     | 1          |  | -      |                  | YTITY    |
| SELENIUM VANADIUM ZINC  PERMIT NUMBER  CARD NO. VP MC  QUANTITY VP MC   |                        |                |   |                           |  |  |  |  | A restricted (Street, or | Park service is          |                           |  |                     |                    |        | 1.     |     |        |            |  |        |                  |          |
| SELENIUM  |                        |                | 50                                      | 1 52                      |  | 23   | 34   | ابا  | 82                       | 0.0                      | 61 62                     | 63   |                     | 64                 |        | 68     | 70  | 71 72  |            | 73                                     | 74     | 1                |          |
| DUPLICATE  4  DUPLICATE  50  DIPLICATE  51  DUPLICATE  52  DUPLICATE  53  DUPLICATE  54  DUPLICATE  55  DUPLICATE  55  DUPLICATE  56  DUPLICATE  57  DUPLICATE  58  DUPLICATE  58  DUPLICATE  59  DUPLICATE  50  DUPLICATE  60  |                        | CARD           |   |                           | Aller State of the other   |  | -  |  |                          | Wallet with              |                           | - Annual or Annual or  | -                   |                    |        |        |     |        |            | ZIN                                    | IC     |                  |          |
| MISCELLANEOUS AVALYSES  | PERMIT NUMBER          | NO.            | VP                                      | МС                        | <  | 1>   | QU   | ANT  | ITY                      | VP                       | MC                        | </td <td>&gt;</td> <td>qu</td> <td>ANTI</td> <td>TY</td> <td>VP</td> <td>МС</td> <td>&lt;</td> <td>1&gt;</td> <td>1</td> <td>IAUS</td> <td>TITY</td>   | >                   | qu                 | ANTI   | TY     | VP  | МС     | <          | 1>                                     | 1      | IAUS             | TITY     |
| MISCELLANEOUS ANALYSES  | DUPLICATE              | 4              |   |                           |  |  |  | A LONG THE REAL PROPERTY.  |                          |                          | 200                       |  |                     | -                  |        |        |     | 2 1    |            |  |        | 1 5              | 1        |
| PH ANALYSIS (standard units)  VP MC  QUANTITY VP MC   | 38-2-1-1               | 16             | 20                                      | 21 22                     |  |  |  |  |                          |                          |                           |  |                     | 34                 |        | 38     | 40  |        |            | 42                                     | 14     |                  |          |
| (standard units)   (recovery in mg/l)   |                        | Parlie Cardina |   |                           |  |  |  |  | IEOU                     | -                        |                           |  |                     |                    |        | - V 11 |     |        |            |  | econom | Name and Address | -        |
| 2 1   10   10   10   10   10   10   10  |                        |                |   |                           |  |  |  |  |                          |                          |                           |  |                     | S                  |        |        |     |        |            |  |        |                  |          |
| 10   51   52   53   54   58   69   61   62   63   64   64   64   64   64   64   64  | Book Stationary States |                | VP                                      | мс                        | <  | 1/>  | QU   | ANT  | ITY                      | VP                       | MC                        | </td <td>&gt;</td> <td>QU</td> <td>ANTIT</td> <td>Y</td> <td>VP</td> <td>MC</td> <td>&lt;</td> <td>:/&gt;</td> <td>0</td> <td>UAN</td> <td>TITY</td>   | >                   | QU                 | ANTIT  | Y      | VP  | MC     | <          | :/>                                    | 0      | UAN              | TITY     |
| STUDY AND PERMIT NUMBER   CARD NO.   WP MC   STUDY AND PERMIT NUMBER   STUDY AND PERMIT NUMBER   STUDY AND PERMIT NUMBER   CARD NO.   WP MC   STUDY AND STUDY A  |                        |                | 9                                       | 1                         |  |  | 6  |  | 4 5                      |                          | 2 2                       |  |                     | 4                  | 4      | 4      |     | 2 1    |            |  |        | 5                |          |
| STUDY AND PERMIT NUMBER  CARD NO. VP MC  QUANTITY VP MC   |                        | -              | 80                                      | 51 52                     |  | 83   | -  | 1  |                          | Parent .                 |                           | 63   | -                   |                    | 1      | 88     | 70  |        |            | 73                                     | 74     |                  | 3        |
| DUPLICATE  5 1 5 2 . 2 5 24 - 31 30 31 32 33 24 - 31 40 41 42 43 M  TOTAL PHOSPHORUS & P ORTHOPHOSPHATE & P  VP MC  VP MC  QUANTITY VP MC  QUANTITY  DEMANDS (recovery in mg/l)  STUDY AND PERMIT NUMBER  CARD NO. VP MC  QUANTITY VP MC QUANTITY VP MC </  QUANTITY VP MC </p  |                        |                | _                                       |                           |  | manus dineasons  | Tay I have written the state of  | -  | TS (rec                  | cove                     | ry in n                   | -  |                     |                    |        |        | _   | 44.100 |            |  |        | -                | T.E.L.   |
| DUPLICATE   5   |                        |                | 10                                      | -                         | AIVIEV   | IONIA  | 1  |  | 17.V                     | 2/0                      | MC                        |  | -                   | -                  | -      |        | 700 | -      | 1          | 1/>                                    | -      | -                | -        |
| TOTAL PHOSPHORUS & P ORTHOPHOSPHATE & P  VP MC  DEMANDS (recovery in mg/l)  STUDY AND PERMIT NUMBER  CARD NO.  VP MC  QUANTITY VP MC  |                        |                |   | IMA                       |  | 1  | 1  |  |                          | 1                        | 1                         |  |                     | - 40               | TT     | T      |     | MC     |            |  |        | T                |          |
| TOTAL PHOSPHORUS & P ORTHOPHOSPHATE & P  VP MC  QUANTITY VP MC  QUANTITY  DEMANDS (recovery in mg/l)  STUDY AND PERMIT NUMBER  CARD NO. VP MC  QUANTITY VP MC   | DUPLICATE              |                | -                                       |                           |  |  | 2  | 2 .  |                          |                          |                           |  |                     |                    |        |        |     |        |            |  |        |                  |          |
| VP MC  QUANTITY VP MC  QUANTITY  DEMANDS (recovery in mg/l)  STUDY AND PERMIT NUMBER  NO. VP MC  QUANTITY VP MC   |                        |                |   |                           | L PI   | HOSP   | HORU   | IS as  | Marian                   | 36 :                     | - The Agent Spinishers    | Service of the last of the las | THE PERSON NAMED IN | -                  | E as P |        | 40  | 41 42  | (Helico)   | A 3                                    | 1 44   |                  | C) STORY |
| DEMANDS (recovery in mg/l)  STUDY AND PERMIT NUMBER  NO. VP MC  DUPLICATE  6  |                        |                | 1                                       |                           | <  | 1/>  | -  | UNITED AND STORY   | Alberta (Actual of       | VP                       | -                         | -  | -                   | -                  |        |        |     |        |            |  |        |                  |          |
| DEMANDS (recovery in mg/l)  STUDY AND PERMIT NUMBER  NO. VP MC  QUANTITY VP MC  QUANTITY VP MC  QUANTITY VP MC  DUPLICATE  OUT  DUPLICATE  OUT  DEMANDS (recovery in mg/l)  TOC  5-DAY BOD  QUANTITY VP MC  QUANTITY VP MC  QUANTITY VP MC  OUT  DUPLICATE  OUT  DEMANDS (recovery in mg/l)   |                        |                |   |                           |  |  |  |  |                          |                          |                           |  |                     |                    | 34 18  |        | 1   |        |            |  |        |                  |          |
| DEMANDS (recovery in mg/l)  STUDY AND PERMIT NUMBER  NO. VP MC  QUANTITY VP MC  QUANTITY VP MC  QUANTITY VP MC  DUPLICATE 6   |                        |                | 50                                      | 1 82                      |  | 43   | -  | 11   | × 0                      | 100                      | 41 42                     | -  |                     | -                  |        | 1      |     |        | 4          |  |        | **               |          |
| DUPLICATE 6 QUANTITY VP MC  |                        |                | plearment.                              |                           | W  | O Salve  | The second second  | MAN  | Annual Services          | the summary of the party | - Commence of the same of | mg/l)  |                     |                    |        |        |     |        |            |  |        |                  | 417      |
| DUPLICATE 6 QUANTITY VP MC // QUANTITY VP MC // QUANTITY VP MC  |                        |                | -                                       |                           |  | CO   | D  |  |                          | 1                        |                           |  | TO                  |                    |        |        |     |        | 5-         | DAY                                    | BC     | D                |          |
|   | PERMIT NUMBER          | NO.            | VP                                      | MC                        | <  | />   | QU   | ANT  | ITY                      | VP                       | MC                        | </td <td>&gt;</td> <td>QU</td> <td>ANTI</td> <td>TY</td> <td>VP</td> <td>MC</td> <td>1</td> <td></td> <td>9</td> <td>MAN</td> <td>TITY</td>  | >                   | QU                 | ANTI   | TY     | VP  | MC     | 1          |  | 9      | MAN              | TITY     |
| 18 14 20 21 32 25 24 7 36 30 31 32 31 34 7 31 40 41 42 43 44  | DUPLICATE              | 6              | and | -                         |  | daniel prima   | 1  | -  |                          |                          |                           |  |                     |                    |        |        |     |        | Annual Van |  | -      |                  |          |
|   |                        | 14             | 20 1                                    | 21 22                     |  | 23   | 24   | AN (8) - 10  | 2.5                      | 30                       | 31 32                     | 31   |                     | 34                 |        | - 14   | 40  | 41 42  |            | 43                                     | 44     |                  |          |
|   |                        |                |   |                           |  | Maria Maria  |  |  |                          | sele / S                 |                           |  |                     |                    |        |        |     |        |            |  |        |                  |          |
|   |                        |                |   |                           |  |  |  |  |                          |                          |                           |  |                     |                    |        |        |     |        |            |  |        |                  |          |
|   | a the section          |                |   |                           |  |  |  |  |                          |                          |                           |  |                     |                    |        |        |     |        |            |  |        |                  |          |